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U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION REPORT

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B-08/10/30/02

I. HEADING

DATE: September 30, 2002

SUBJECT: Lockformer Site, Lisle, Illinois, DuPage County

FROM: Steve Faryan, On-Scene Coordinator (OSC), U.S. EPA, ERB-RS2, Chicago, IL

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POLREP NO: 2- PRP LEAD -

II. BACKGROUND

Site ID No:
Contract/Delivery Order Number: N/A
Response Authority: PRP Funded CERCLA Removal Action
CERCLIS ID Number: N/A
NPL Status: Non-NPL
State Notification: Illinois EPA notified
Latitude/Longitude: 41° 47' 32.9" N/ 88° 2' 40.0" W
Start Date: 22 July 2002
Demobilization Date: N/A
Completion Date: December 2004 Projected

III. SITE HISTORY

See Initial POLREP.

IV. RESPONSE INFORMATION

A. Situation

1) Current Situation

On 22 July 2002, U.S. EPA OSC Steve Faryan and Weston Solutions Inc. (WSI) START personnel mobilized to site. OSC Faryan and START personnel continue to commence oversight, while Lockformer's consultant Clayton Group will delineate subsurface contamination. Clayton Group drilled a total of ninety-two soil borings and collected a total of three hundred and twenty samples. START personnel collected a total of thirty-two split samples for U.S. EPA. On 27 and 28 August 2002, the investigative-derived soil waste stored in 55 gallon drums were consolidated into two roll-off boxes for disposal. The soil was TCLP hazardous for Trichloroethylene and was disposed of at Environmental Quality's landfill in Belville, Michigan.

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Lockformer's consultant drilled fifty-four soil borings, using a truck mounted geoprobe rig. The soil borings were drilled through the upper till. Clayton collected one hundred and sixty-one soil samples and three groundwater samples from the upper till. Clayton drilled thirty-six soil borings, using a roto sonic drill rig. The soil borings were drilled through the upper till, mass waste unit and the top of the lower till. Clayton collected one hundred and twenty soil samples and one groundwater sample from the mass waste unit and the top of the lower till and four samples from the upper till. A track mounted geoprobe rig was used for three locations inside the Lockformer facility. The borings were drilled through the upper till, mass waste unit and the top of the lower till. Clayton collected nine soil samples from the mass waste unit and the lower till. A hand cart geoprobe rig was used for nine locations inside the Lockformer facility. The borings were drilled to sixteen feet. Clayton collected thirty soil samples and one groundwater sample from the upper till.

2) Removal Actions Taken to Date

Currently, Lockformer has completed the Soil Vapor Extraction Pilot Test. This test was conducted in July of 2002 and involved the installation of one soil vapor extraction well near the former TCE fill pipe. Four SVE wells were monitored with vacuum gauges at 25, 50, 75 and 100 feet from the extraction well and were monitored 24 hours for several days to determine the zone of influence from the SVE well in the sand and gravel zone beneath the site (approx 25 to 50 feet beneath the ground surface). The pilot study was successful in showing that SVE will be a viable technology for the removal of TCE from the sand and gravel zone beneath the site.

Clayton has submitted a revised version of the Lockformer Work Plan to all of the government parties. This work plan will become part of the Unilateral Administrative Order and will be fully enforceable.

U.S. EPA has sent a interim approval letter to Lockformer and Clayton to approve of the submitted Work Plan and requests that additional documents be submitted on a timely basis. Clayton shall submit a revised QAPP with the First Environmental's SOP's. In addition, a Technical Memorandum is due to U.S. EPA in October or 2002 to detail the full scale SVE design and Electric Resistive Heating design.

3) Enforcement N/A

This removal action is being conducted by Lockformer and their consultant Clayton Group under a Unilateral Administrative Order. The Lockformer Work Plan which was submitted by Clayton Group and revised three times was approved by U.S. EPA in September of 2002. The Lockformer Work Plan becomes part of the Unilateral Order upon approval. Clayton Group Services will submit an amended QAPP in September. A Technical Memorandum detailing the full scale Soil Vapor Extraction and Thermal Resistive Heating system will be submitted in October of 2002.

B. Planned Removal Activities

- Clayton will complete the delineation sampling (September 2002)
- Clayton will install soil vapor extraction wells (SVE) and electro-resistive heating (ERH) units. (November/December 2002)
- Lockformer's contractors will begin subsurface remediation (SVE/ ERH). (December 2002/January 2003)

C. Next Steps

- Clayton will complete the delineation of the TCE contamination.

- PRP contractors will validate, review and tabulate data.
- Lockformer's contractors will install soil vapor extraction wells (SVE) and electro resistive heating (ERH) units.
- Lockformer's contractors will begin subsurface remediation (SVE/ ERH).
- PRP contractors will continue to dispose the soil and water from sampling efforts.
- U.S. EPA and START contractor will continue collecting 10% split samples.
- U.S. EPA and START contractor will continue conducting oversight.
- U.S. EPA and START contractor will validate, review and tabulate split sample data.

V. COST INFORMATION

Estimated contractor costs as of 30 August 2002:

	<u>Amount Budgeted</u>	<u>Amount Spent</u>	<u>Remaining</u>
Weston START	\$ 205,100	\$ 107,200	\$ 97,900
U.S. EPA	\$ 50,000	\$ 12,500	\$ 37,500

The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report is written. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

VI. DISPOSITION OF WASTES

PRP contractors will continue with the disposal of investigation derived waste and waste generated from the treatment of the TCE contaminated soil. Disposition of waste will be included in the future POLREPs.